

Appendix B: Site Details

The City of Cuyahoga Falls is requesting conceptual designs and qualifications to install solar PV systems at one or more of the following sites through a third-party Power Purchase Agreement (PPA). The base bid may only consider site #1, the Electric/Service Department, however, alternate bids may consider any of the city owned sites listed below:

1. Electric/Service Department: 2560 Bailey Rd.
2. City Offices: 2300 2nd St.
3. Natatorium: 2345 4th St.
4. Sites Near WTP: 2028 Munroe Falls Avenue
5. Substation #4: 3535 State Rd.
6. Theiss Substation: 2065 Theiss Rd.
7. Municipal Parking Lot Downtown - #1 "Green": 2221 2nd St
8. Municipal Parking Lot Downtown - #2 "Blue": 2035 Old Town Loop
9. Municipal Parking Lot Downtown - #3 "Red": 2020 Oldetown Loop
10. Quirk Cultural Center Parking Lot: 1201 Grant Ave
11. Substation #8: 3442 Hudson Drive
12. Valley Substation: 322 Portage Trail Extension

The maps below show the location of sites #1-6. Details on sites #7-12 are not included in this appendix due to their limited site size and/or solar availability.

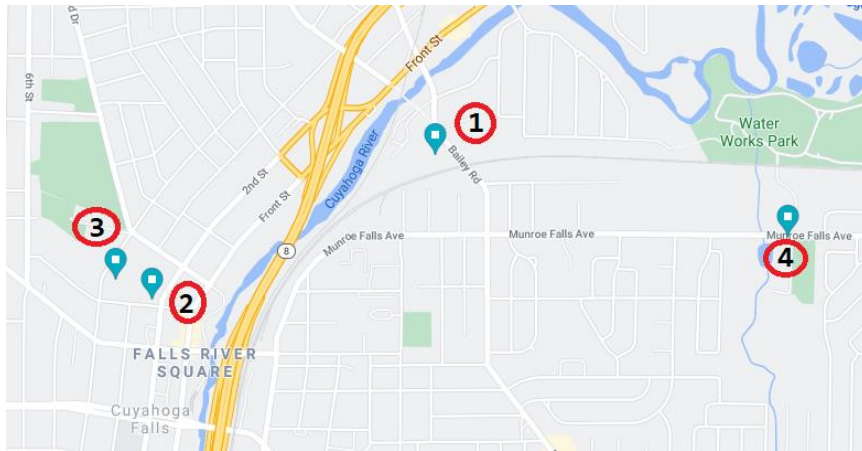


Figure 1: Site Locations - Central

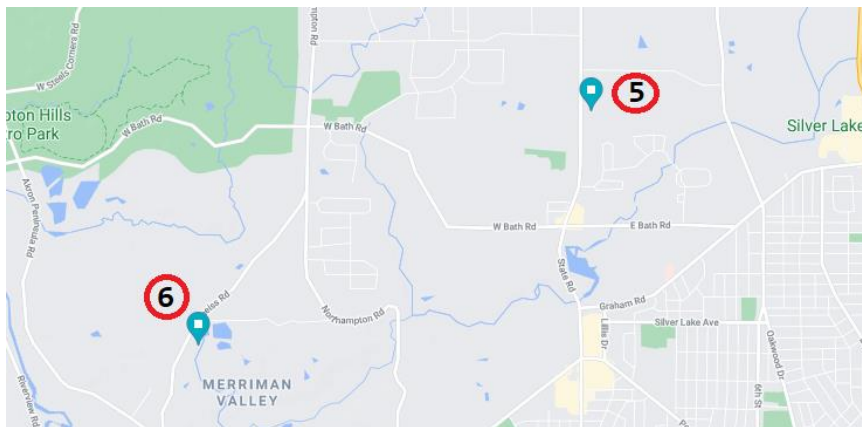


Figure 2: Site Locations – Northwest

This appendix provides site details including aerial photos, estimated available area numbers, circuit-level data, etc. Conceptual designs may use any of the site details provided below. All ground, roof, and parking lot areas identified below are suggestions and can be modified by the vendor. CFES reserves the right to negotiate all array designs and locations with the selected vendor. Additional parcel information can be found on the City's GIS map (<https://cuyahoga-falls-oh.tolemi.com>). The vendor is responsible for investigating all sites for any environmental, geotechnical, FEMA and other site considerations.

1. Electric/Service Department

Electric/Service Department	
Address:	2560 Bailey Rd, Cuyahoga Falls, OH 44221
Parcel ID(s):	202893
Ground Area Available (ft ²)	0
Roof Area Available (ft ²)	92,000
Parking Lot Area Available (ft ²)	35,000
Potential Capacity (MW-DC)	1.0



Figure 3: Electric/Service Department – Roof and Parking Lot Potential

Roof Area:

1. 15,000 ft²
2. 46,000 ft²
3. 31,000 ft²

Parking Lot Area:

1. 20,000 ft²
2. 15,000 ft²

Electric/Service Department

Address	2560 Bailey Rd, Cuyahoga Falls, OH 44221
Circuit voltage at the substation	12.5kV
Circuit name	501, 502, 503, 504
Circuit voltage at proposed facility	12.5kV
Whether Single or three phase is available near site	Three Phase
If single phase – distance from three phase service	N/A
Aggregate connected facilities (kW) on circuit	2500 kW x 4
Submitted complete applications of facilities (kW) on circuit that have not yet been interconnected	N/A
Whether the Interconnecting Customer is served by an area network, a spot network, or radial system	Radial
Identification of feeders within ¼ mile of the proposed interconnection site through a snap-shot of GIS map or other means	See figure below
Other potential system constraints or critical items that may impact the proposed Facility	6MW of diesel generation

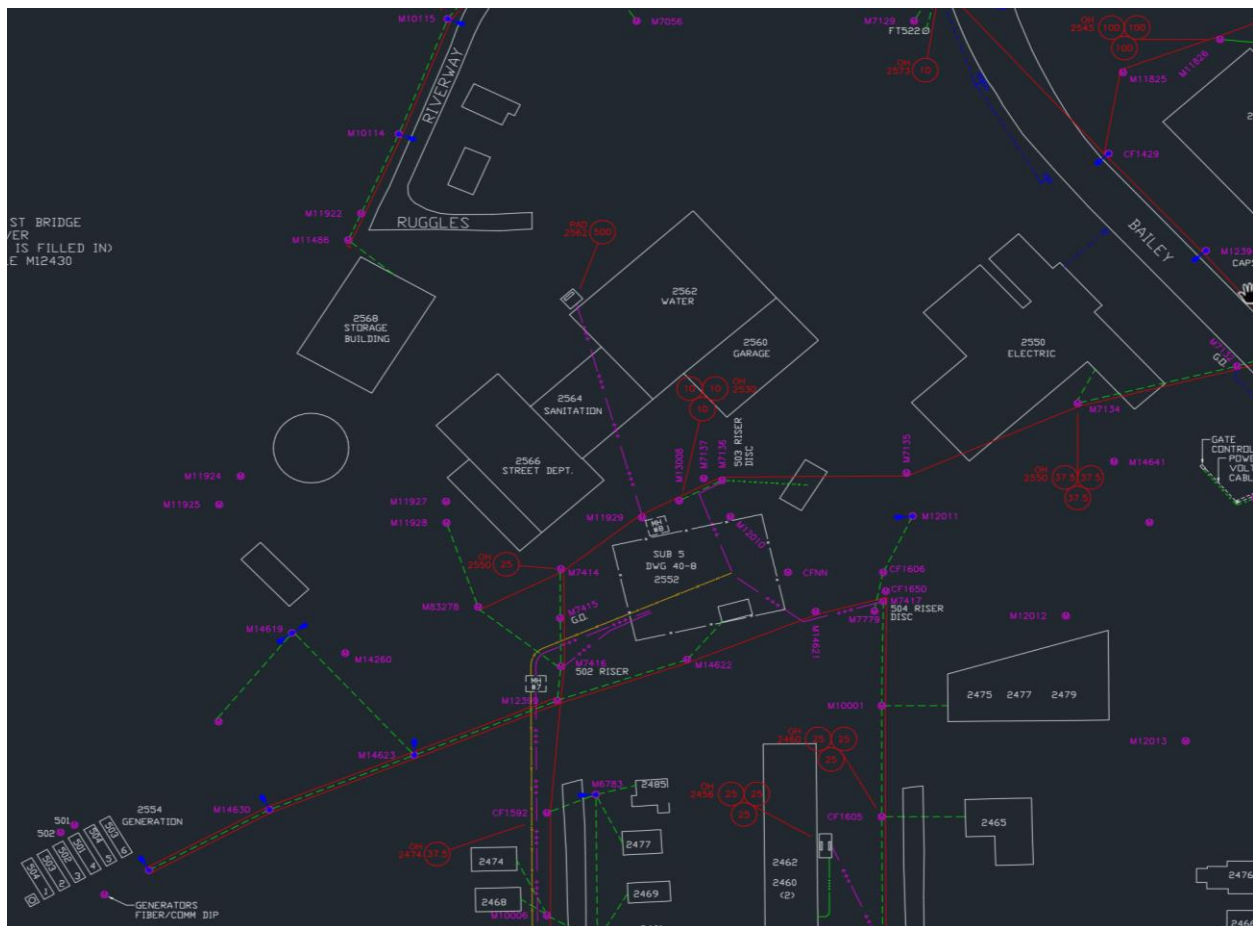


Figure 4: Electric/Service Department - Local Circuitry

2. City Hall

City Hall	
Address:	2300 2nd St, Cuyahoga Falls, OH 44221
Parcel ID(s):	202858
Ground Area Available (ft ²)	0
Roof Area Available (ft ²)	5,000
Parking Lot Area Available (ft ²)	65,000
Potential Capacity (MW-DC)	0.18



Figure 5: City Hall – Roof Potential

Roof Area:

1. 2,000 ft²
2. 1,000 ft²
3. 2,000 ft²

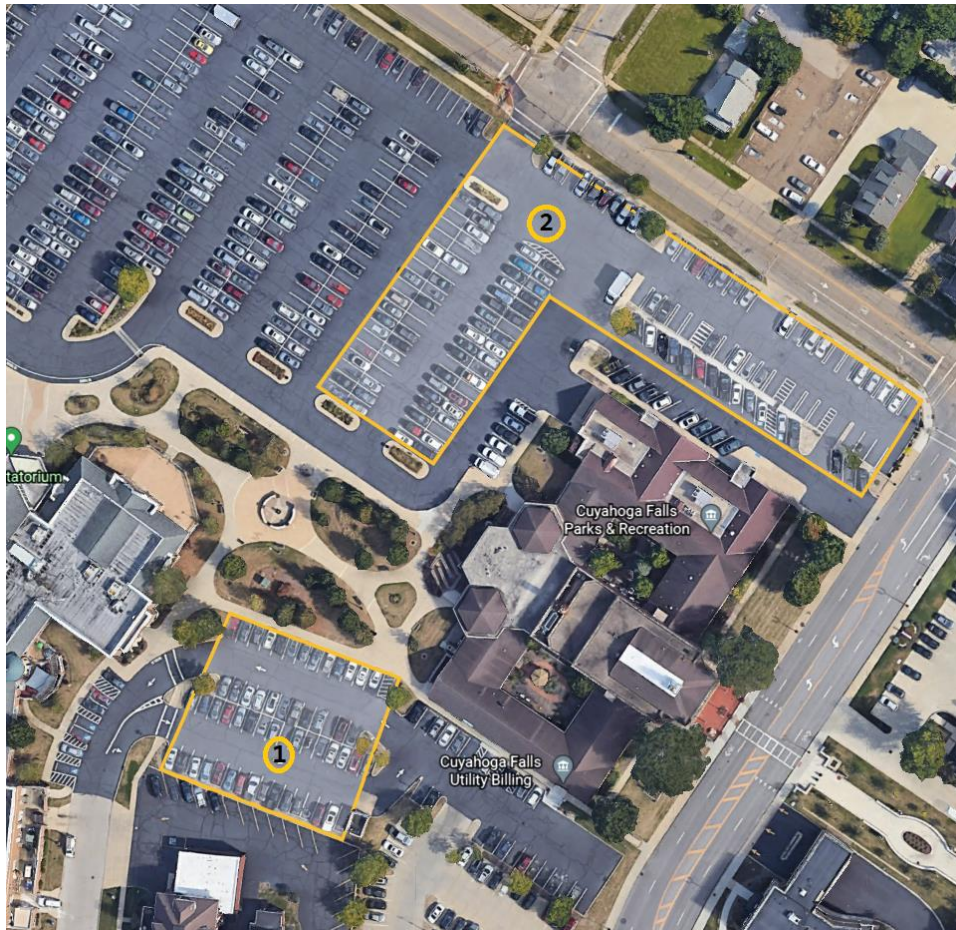


Figure 6: City Hall – Parking Lot Potential

Parking Lot Area:

1. 18,000 ft²
2. 47,000 ft²

City Hall	
Address	2300 2nd St, Cuyahoga Falls, OH 44221
Circuit voltage at the substation	12.5kV
Circuit name	1002
Circuit voltage at proposed facility	12.5kV
Whether Single or three phase is available near site	Three Phase
If single phase – distance from three phase service	N/A
Aggregate connected facilities (kW) on circuit	3750kW
Submitted complete applications of facilities (kW) on circuit that have not yet been interconnected	N/A
Whether the Interconnecting Customer is served by an area network, a spot network, or radial system	Radial
Identification of feeders within ¼ mile of the proposed interconnection site through a snap-shot of GIS map or other means	See figure below
Other potential system constraints or critical items that may impact the proposed Facility	

3. The Natatorium

The Natatorium	
Address:	2345 4th St, Cuyahoga Falls, OH 44221
Parcel ID(s):	220376
Ground Area Available (ft2)	0
Roof Area Available (ft2)	0
Parking Lot Area Available (ft2)	90,000
Potential Capacity (MW-DC)	0.20

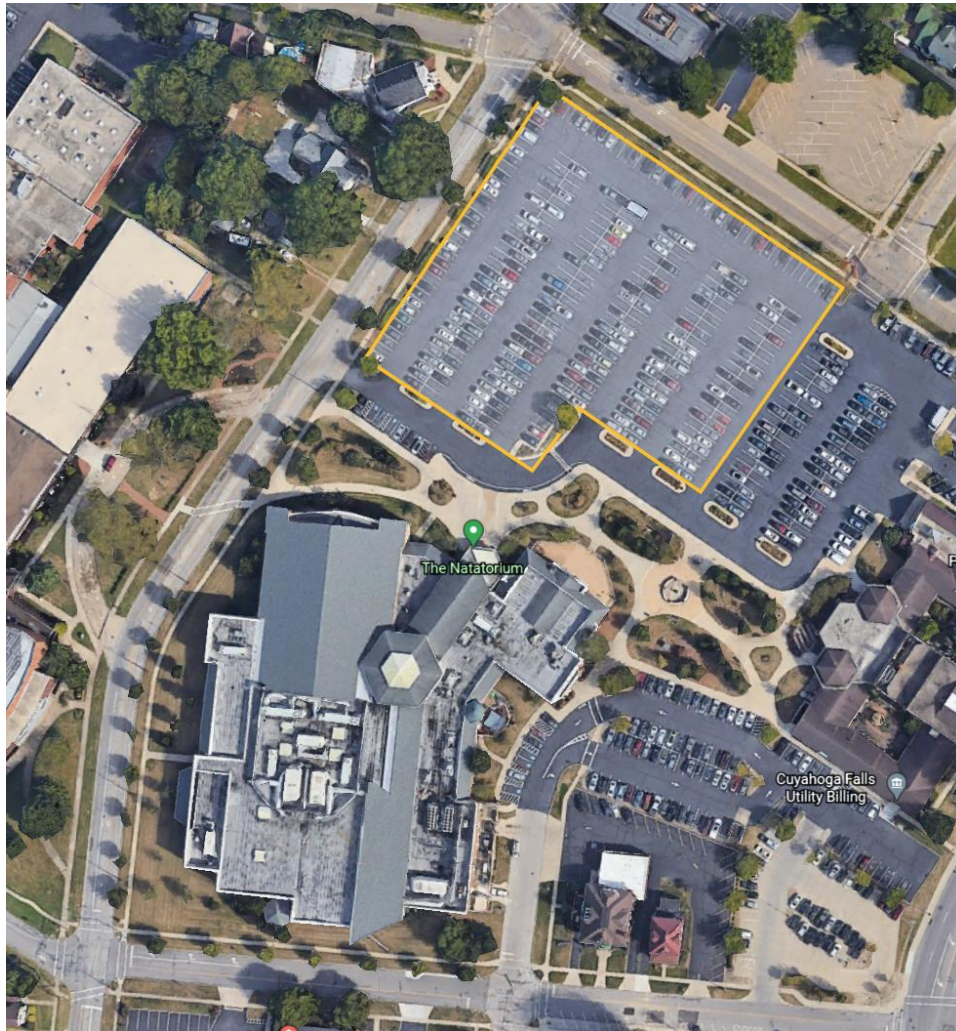


Figure 8: Natatorium – Parking Lot Potential

Parking Lot Area:

1. 90,000 ft²

The Natatorium

Address	2345 4th St, Cuyahoga Falls, OH 44221
Circuit voltage at the substation	12.5kV
Circuit name	1002
Circuit voltage at proposed facility	12.5kV
Whether Single or three phase is available near site	Three Phase
If single phase – distance from three phase service	N/A
Aggregate connected facilities (kW) on circuit	3750kW
Submitted complete applications of facilities (kW) on circuit that have not yet been interconnected	N/A
Whether the Interconnecting Customer is served by an area network, a spot network, or radial system	Radial
Identification of feeders within ¼ mile of the proposed interconnection site through a snap-shot of GIS map or other means	See figure below
Other potential system constraints or critical items that may impact the proposed Facility	

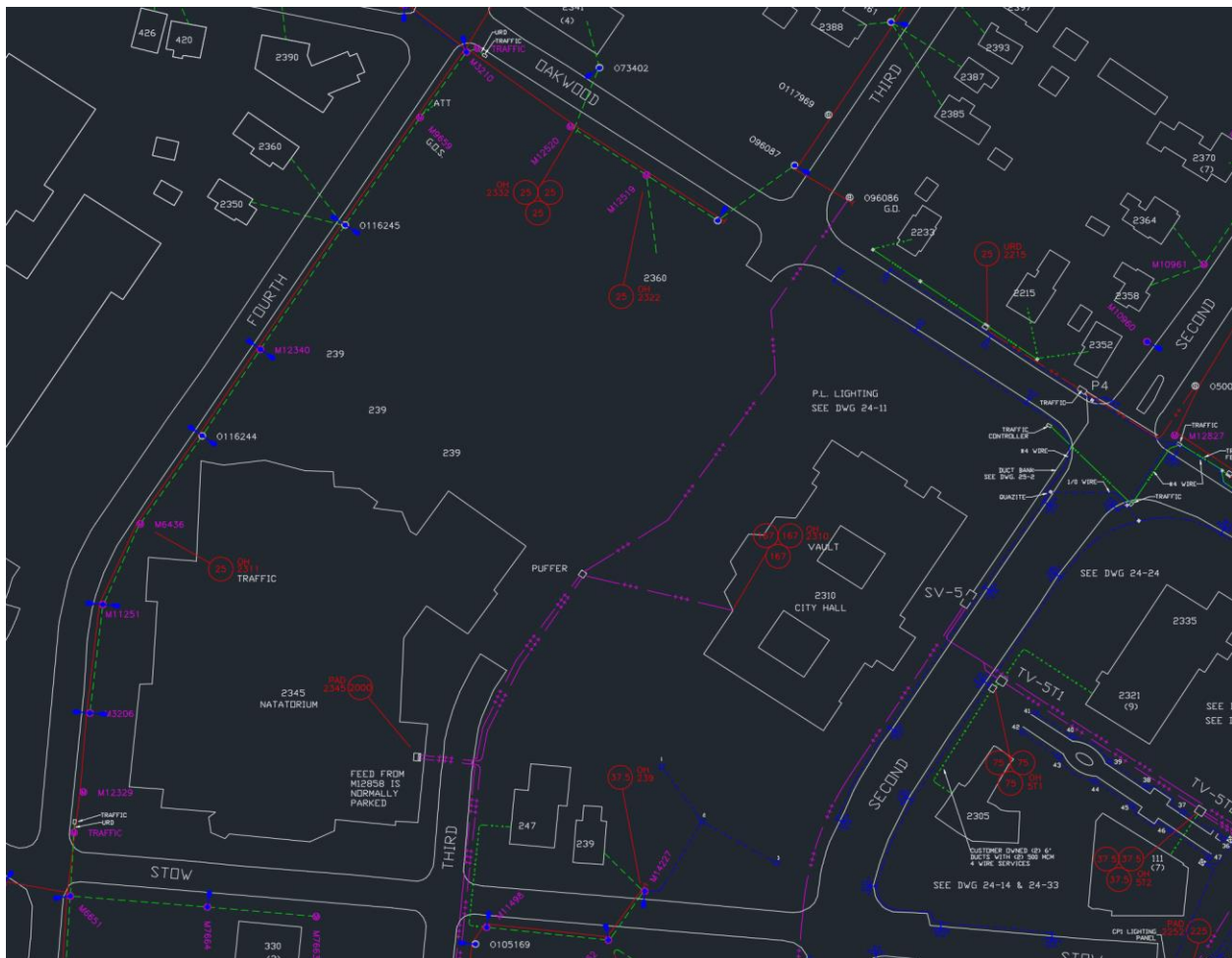


Figure 9: Natatorium – Local Circuitry

4. Site Near WTP

Sites Near WTP

Address:	2028 Munroe Falls Avenue, Cuyahoga Falls, OH
Parcel ID(s):	202812
Ground Area Available (ft2)	97,000
Roof Area Available (ft2)	0
Parking Lot Area Available (ft2)	0
Potential Capacity (MW-DC)	0.37



Figure 10: Site Near WTP – Ground Potential

Ground Area:

1. 97,000 ft²

Site near WTP

Address	2028 Munroe Falls Avenue, Cuyahoga Falls, OH
Circuit voltage at the substation	4.2kV
Circuit name	701, 702
Circuit voltage at proposed facility	4.2kV
Whether Single or three phase is available near site	Three Phase
If single phase – distance from three phase service	N/A
Aggregate connected facilities (kW) on circuit	3750kW
Submitted complete applications of facilities (kW) on circuit that have not yet been interconnected	N/A
Whether the Interconnecting Customer is served by an area network, a spot network, or radial system	Radial
Identification of feeders within ¼ mile of the proposed interconnection site through a snap-shot of GIS map or other means	See figure below
Other potential system constraints or critical items that may impact the proposed Facility	4.5MW of diesel generation

5. Substation #4

Substation #4	
Address:	3535 State Road, Cuyahoga Falls, OH 44223
Parcel ID(s):	3501727
Ground Area Available (ft ²)	11,500
Roof Area Available (ft ²)	11,500
Parking Lot Area Available (ft ²)	0
Potential Capacity (MW-DC)	0.13



Figure 12: Substation #4 – Ground Potential

Ground Area:

1. 11,500 ft²

Roof Area:

1. 11,500 ft²

Substation #4

Address	3535 State Road, Cuyahoga Falls, OH 44223
Circuit voltage at the substation	12.5kV
Circuit name	401, 402
Circuit voltage at proposed facility	12.5kV
Whether Single or three phase is available near site	Three Phase
If single phase – distance from three phase service	N/A
Aggregate connected facilities (kW) on circuit	7500kW
Submitted complete applications of facilities (kW) on circuit that have not yet been interconnected	
Whether the Interconnecting Customer is served by an area network, a spot network, or radial system	Radial
Identification of feeders within ¼ mile of the proposed interconnection site through a snap-shot of GIS map or other means	See figure below
Other potential system constraints or critical items that may impact the proposed Facility	

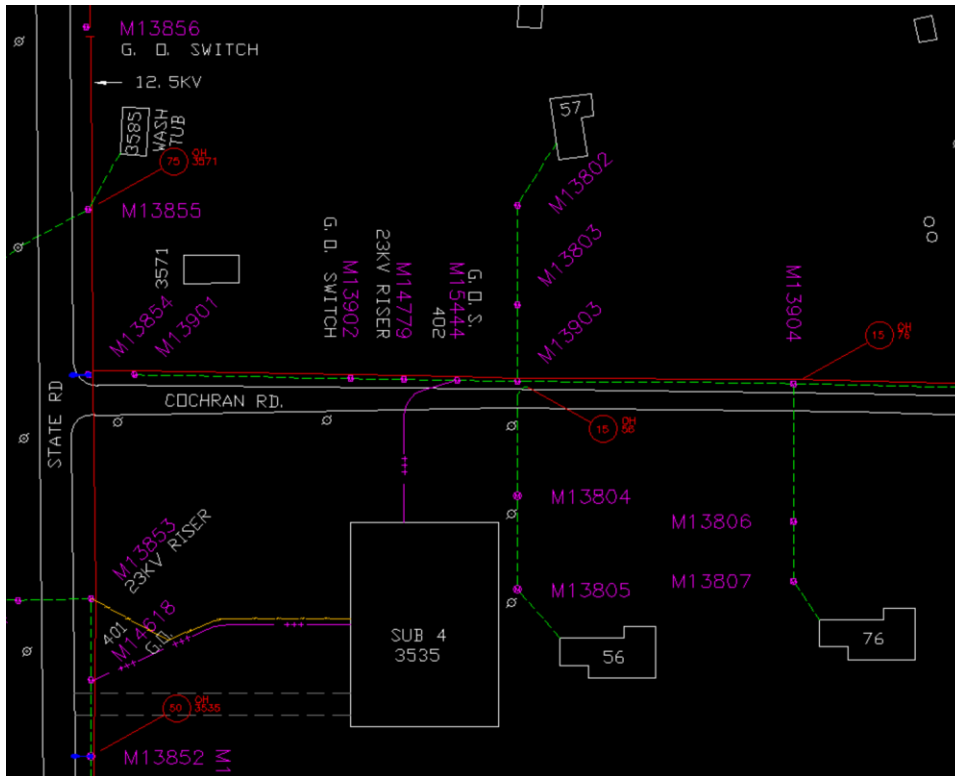


Figure 13: Substation #4 – Local Circuitry

6. Theiss Substation

Theiss Substation	
Address:	2065 Theiss Rd, Cuyahoga Falls, OH 44223
Parcel ID(s):	3505213
Ground Area Available (ft2)	100,000
Roof Area Available (ft2)	0
Parking Lot Area Available (ft2)	0
Potential Capacity (MW-DC)	0.38



Figure 14: Theiss Substation – Ground Potential

Ground Area:

1. 30,000 ft²
2. 70,000 ft²

Theiss Substation	
Address	2065 Theiss Rd, Cuyahoga Falls, OH 44223
Circuit voltage at the substation	13.8kV
Circuit name	T3
Circuit voltage at proposed facility	13.8kV
Whether Single or three phase is available near site	Three Phase
If single phase – distance from three phase service	N/A
Aggregate connected facilities (kW) on circuit	3200kW
Submitted complete applications of facilities (kW) on circuit that have not yet been interconnected	
Whether the Interconnecting Customer is served by an area network, a spot network, or radial system	Radial
Identification of feeders within ¼ mile of the proposed interconnection site through a snap-shot of GIS map or other means	See figure below
Other potential system constraints or critical items that may impact the proposed Facility	

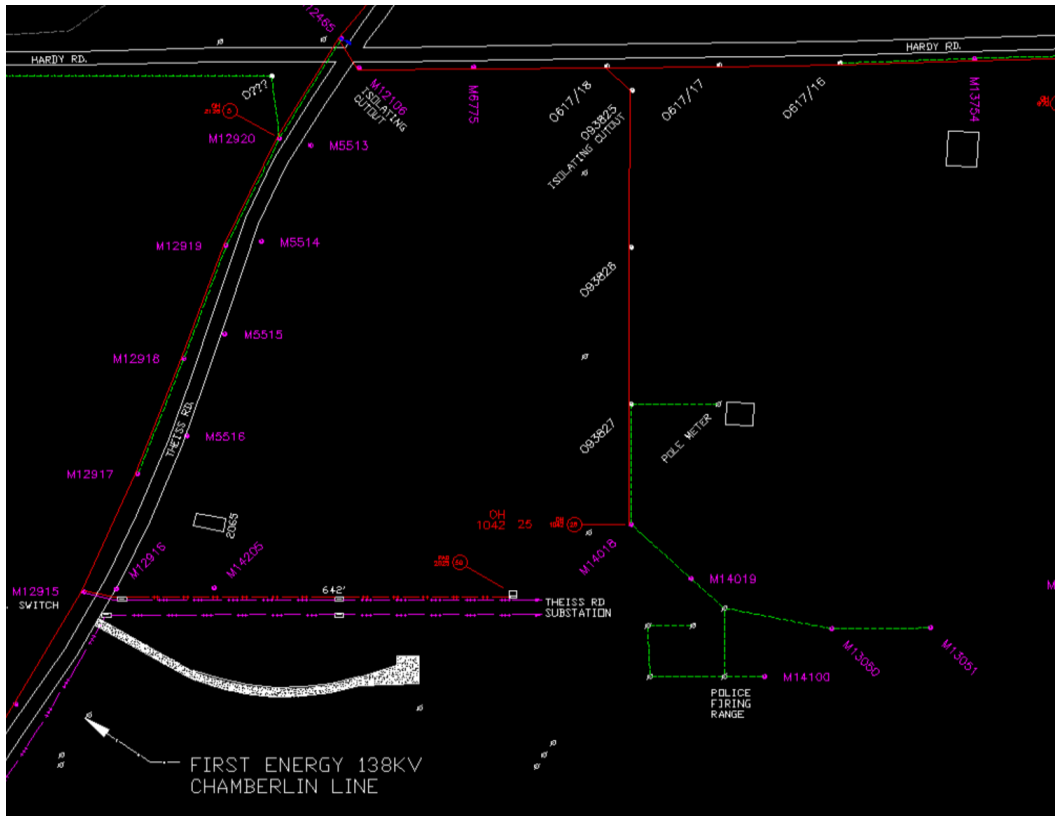


Figure 15: Theiss Substation – Local Circuitry